

Figure 1

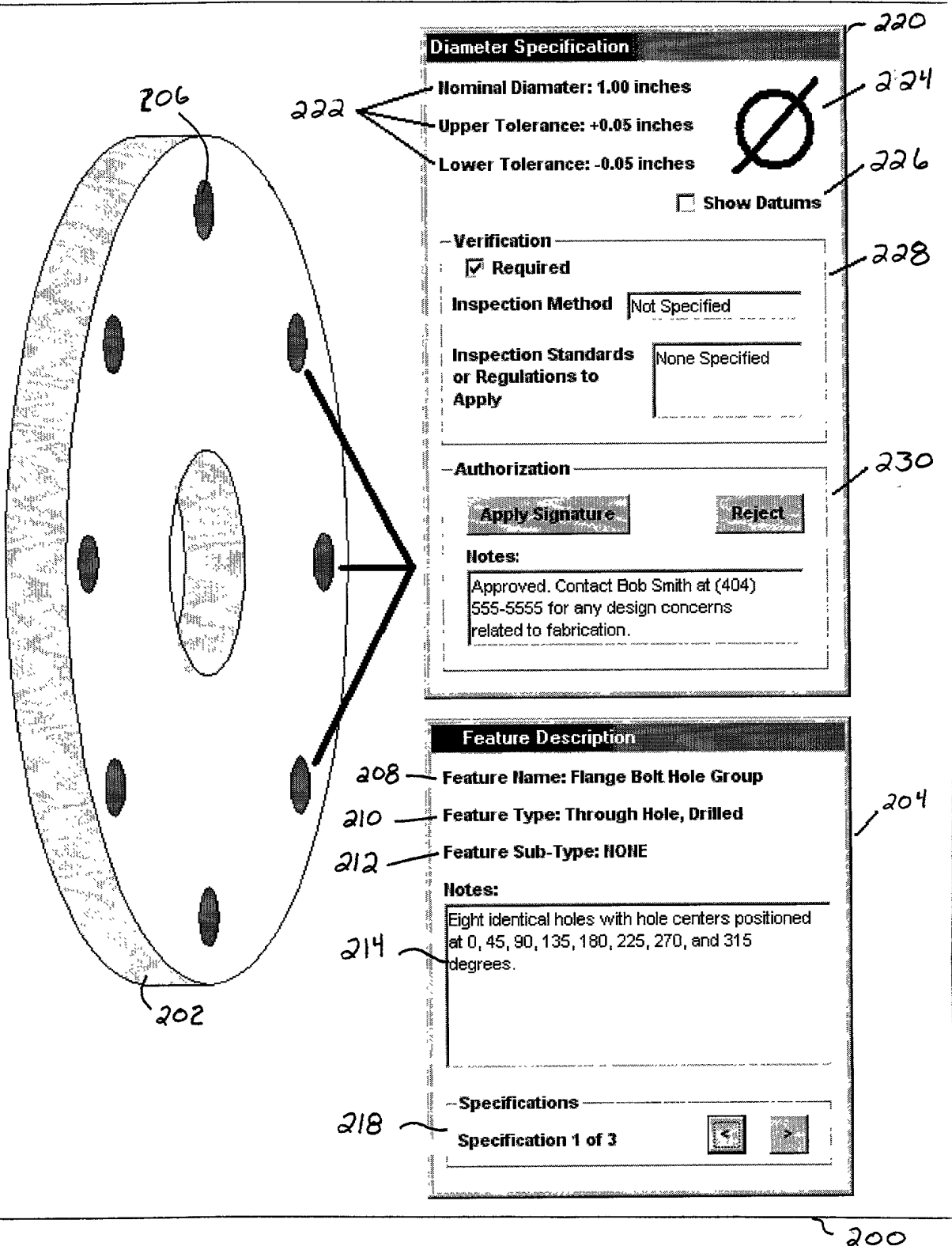


Fig. 2

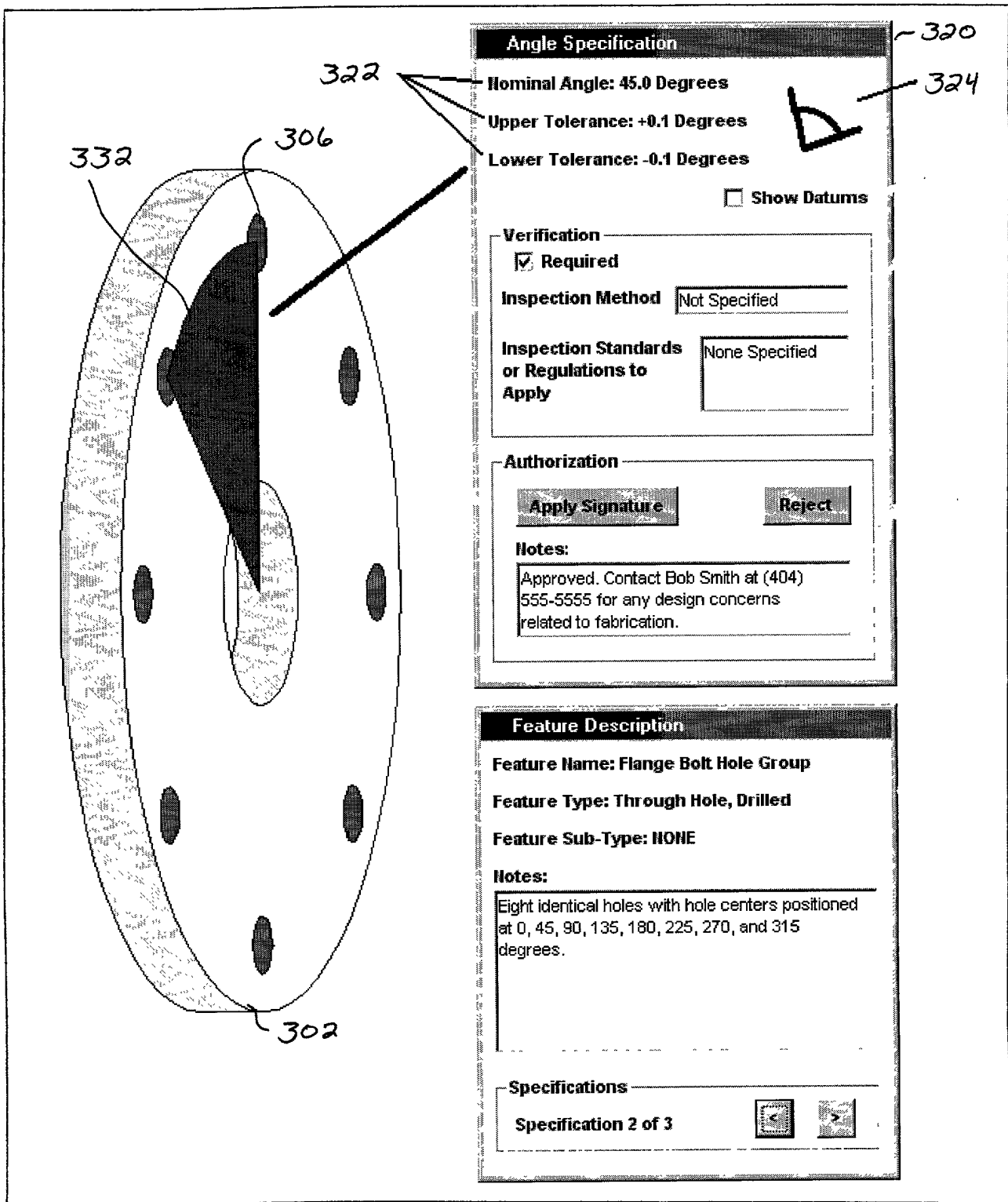
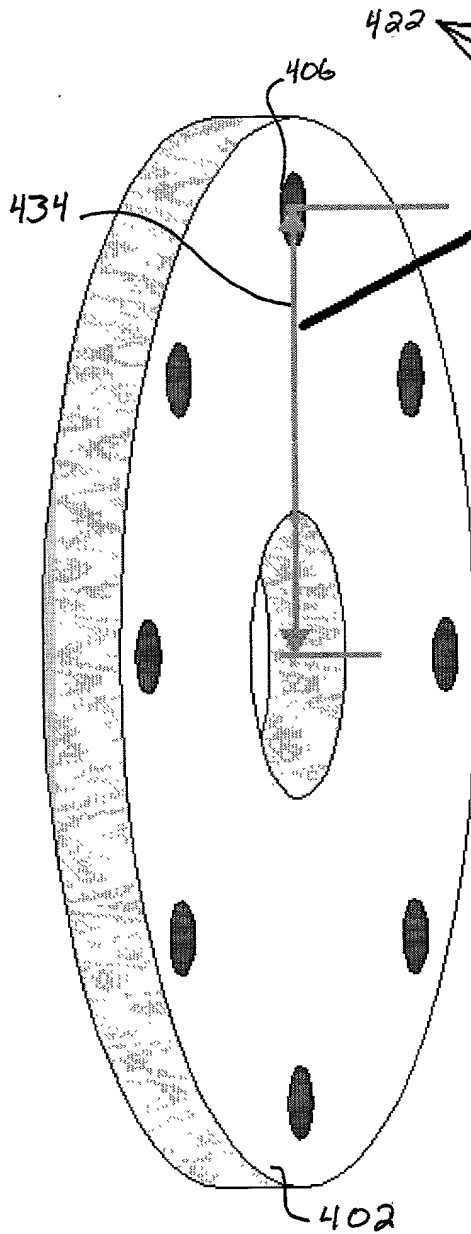


Fig. 3

10030-1007



Linear Measure Specification

Nominal Distance: 10.00 inches

Upper Tolerance: +0.05 inches

Lower Tolerance: -0.05 inches

☐ Show Datums

Verification

☒ Required

Inspection Method Not Specified

Inspection Standards
or Regulations to
Apply None Specified

Authorization

Apply Signature

Reject

Notes:

Approved. Contact Bob Smith at (404)
555-5555 for any design concerns
related to fabrication.

Feature Description

Feature Name: Flange Bolt Hole Group

Feature Type: Through Hole, Drilled

Feature Sub-Type: NONE

Notes:

Eight identical holes with hole centers positioned
at 0, 45, 90, 135, 180, 225, 270, and 315
degrees.

Specifications

Specification 3 of 3



Fig. 4

400

Final Approval

All individual specifications have been approved. By pressing the Apply Signature button, you are acknowledging that this design is ready for fabrication.

Apply Signature

Reject

Notes:

Approved. Contact Bob Smith at (404) 555-5555 for any design concerns related to fabrication.

Fig. 5

100540-1201
10/02/01 05:50:01

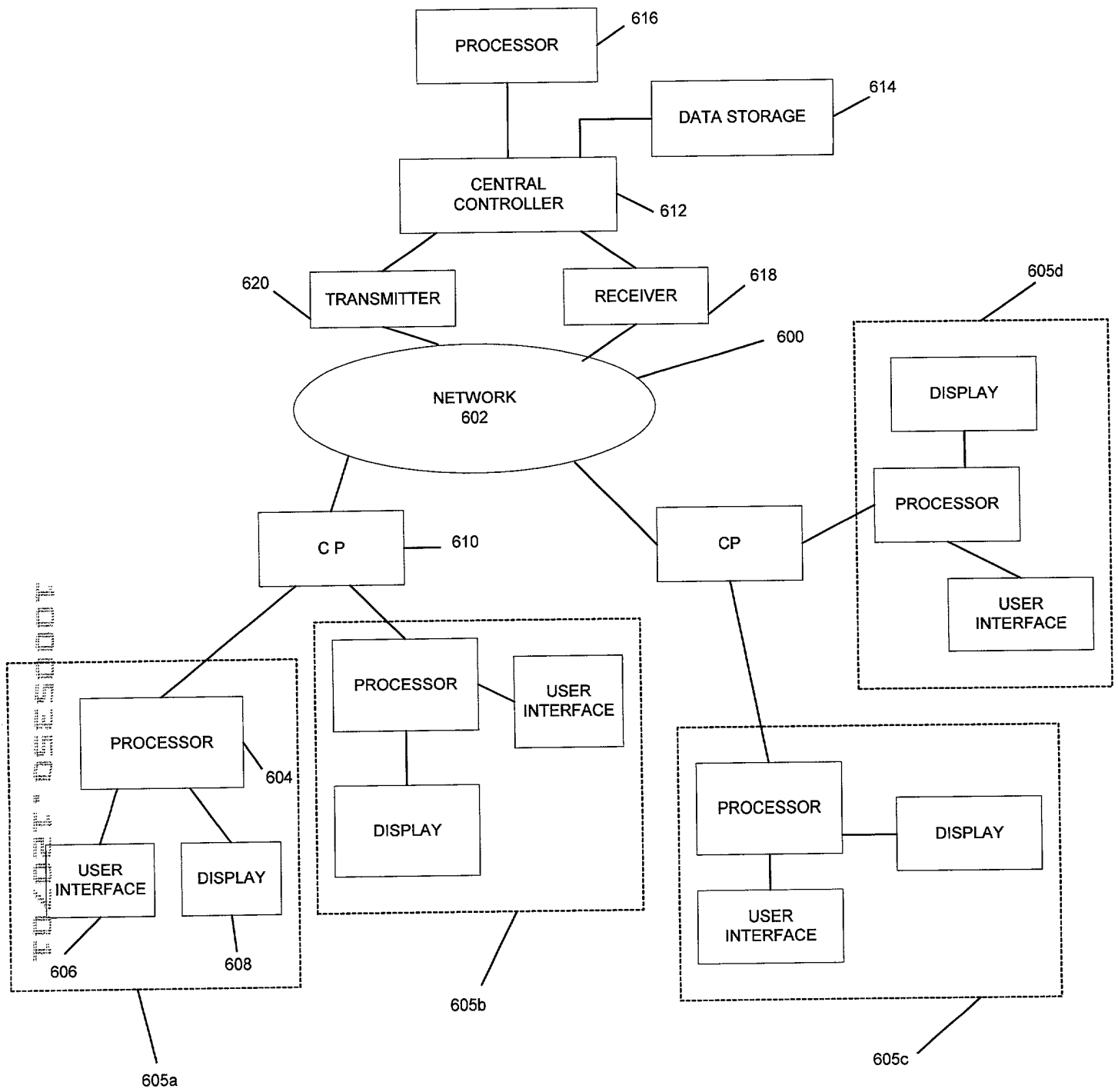


FIG. 6

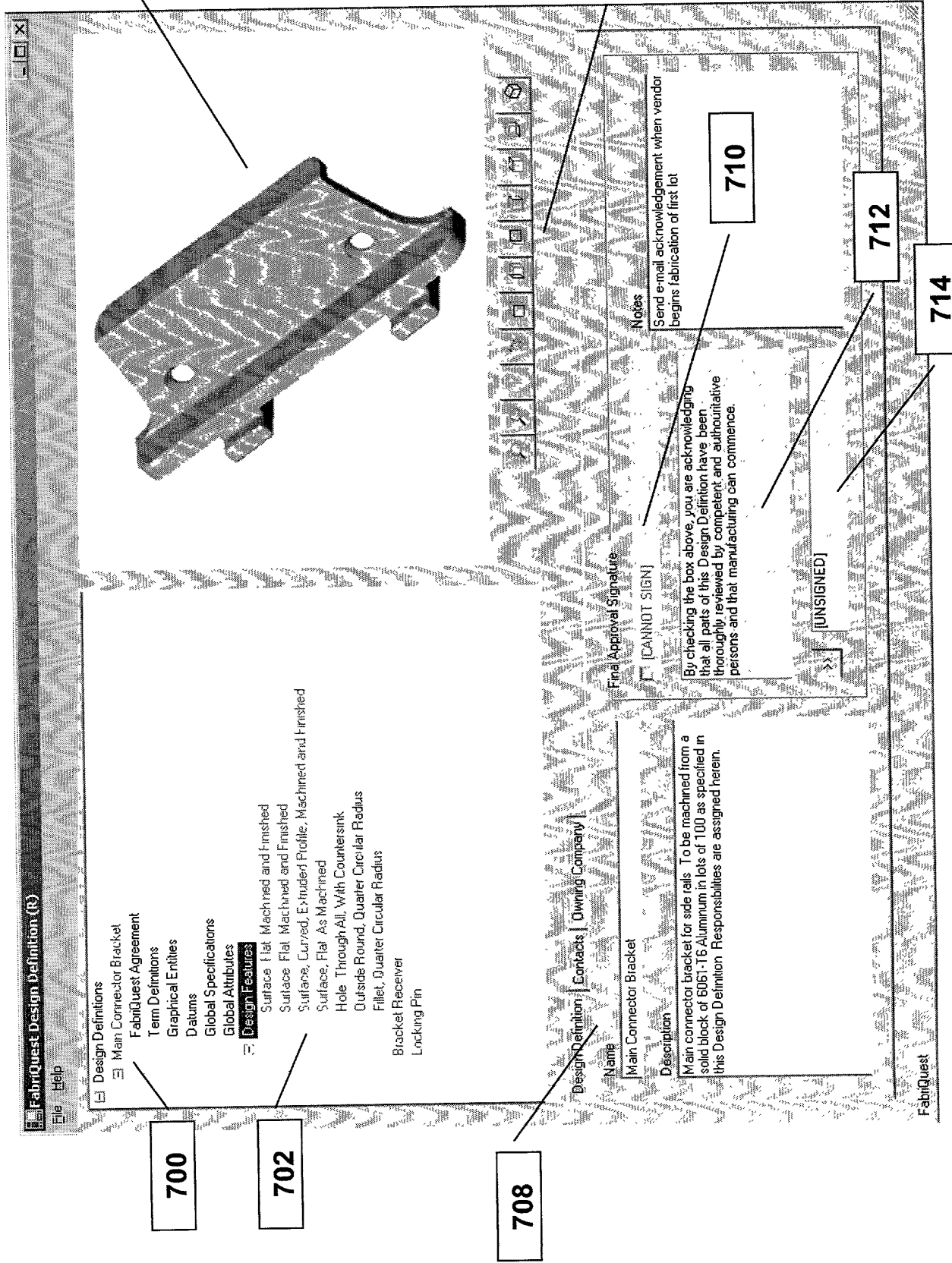


Figure 7

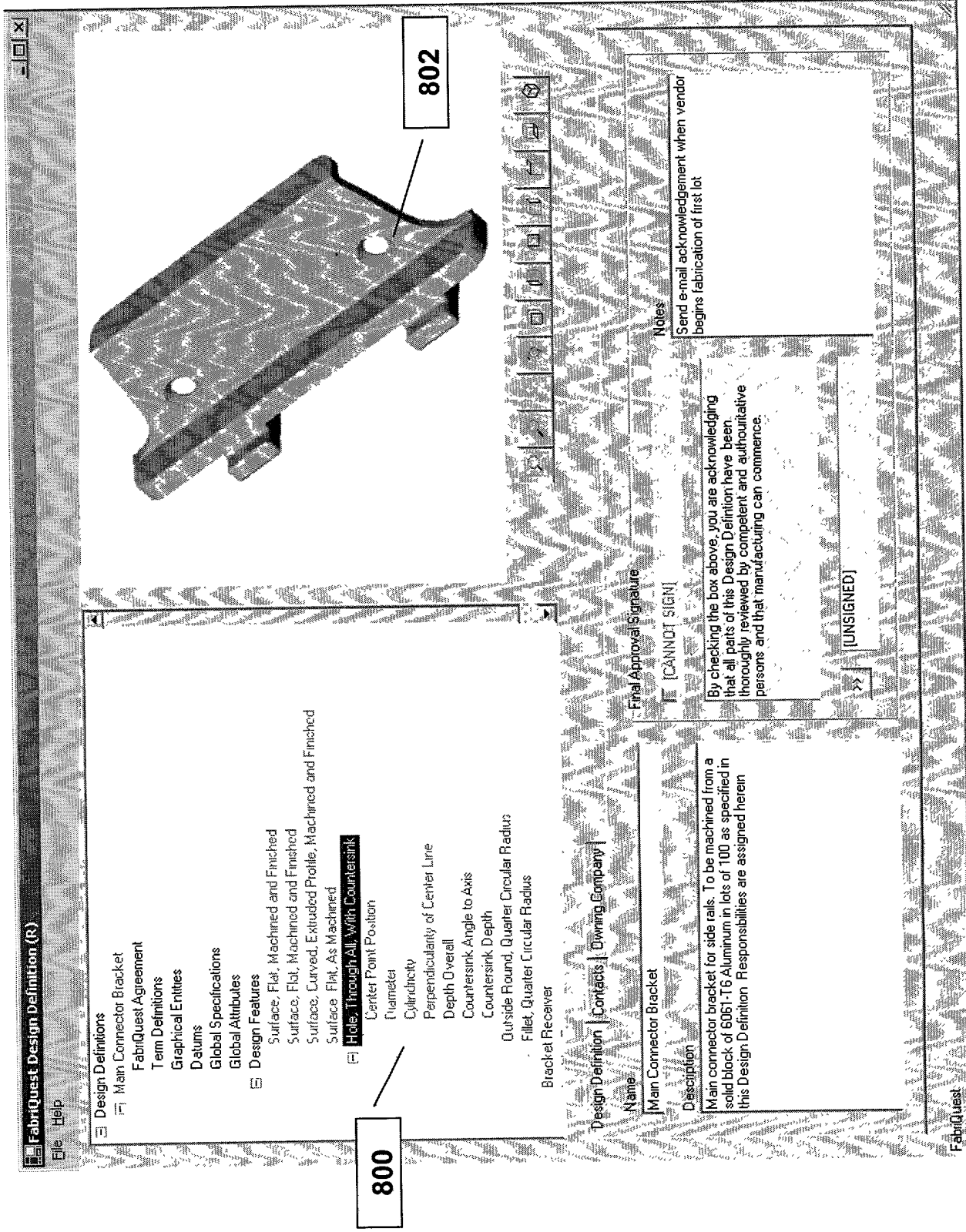


Figure 8

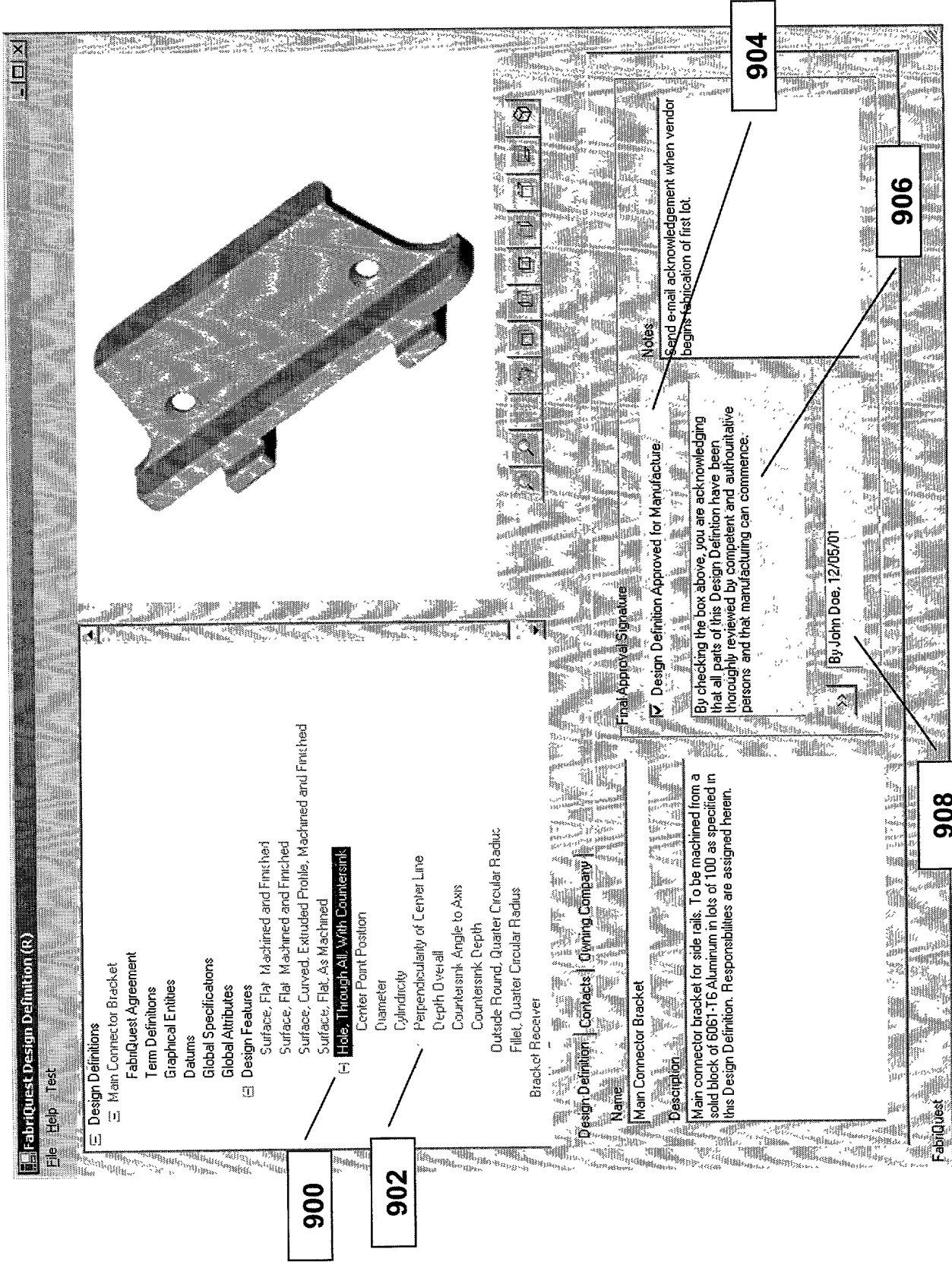


Figure 9

1000

FabriQuest Feature Specification - Countersink Angle to Axis

1002

Specification Detail | Instructions | Descriptive Images | Limit Definition

1006

Signature

☐ UNSIGNED (COMPONENTS NOT SIGNED)

By checking the box above, you are acknowledging that this feature specification is described correctly and meets all design quality assurance standards established by the owner of this Design Definition.

☐ [UNSIGNED]

1008

1010

1004

Responsible Person

Jane Smith

1012

Status of Signatures

Signature Component	Signed By
Feature Specification: Overall Specification	[UNSIGNED]
Descriptive Images: Countersink Side View	Robert Jones, 12/01/2001
Descriptive Images: Countersink Top View	Robert Jones, 12/03/2001
Instructions: Pre-Fabrication Set-up	Sally Thomas, 12/02/2001
Instructions: Fabrication Method	[UNSIGNED]
Instructions: Post-Fabrication Inspection	Sally Thomas, 12/05/2001
Instructions/Descriptive Images: [NO IMAGES]	Robert Smith, 12/03/2001
Instructions/Standards: ANSI Standard 0001	Sally Thomas, 12/05/2001
Instructions/Standards: ISO Standard 0001	Sally Thomas, 12/05/2001
Instructions/Standards: XYZ Engineering, Inc. Company Standard 0001	[UNSIGNED]
Limit Definition/Regulations [NO REGULATIONS APPLY]	Robert Smith, 12/02/2001
Limit Definition Angular Measure: Open Right Conical Feature	Robert Smith, 12/03/2001
Limit Definition/Descriptive Images: Hole Countersink Angular Limits	Sally Thomas, 12/02/2001
Limit Definition/Datums Datum A - Upper Plane Surface	Sally Thomas, 12/05/2001
Limit Definition/Datums Datum D - Hole Centerline	Robert Smith, 12/01/2001

Figure 10

Test Feature Specification - Countersink Angle			
1100	1102	1110	1116
<p>Specification Detail: Instructions Descriptive Images Limit Definition</p> <p>Instruction Name: Pre-Fabrication Set-up Fabrication Method: Post-Fabrication Inspection</p> <p>Signed By: Sally Thomas, 12/02/2001 Sally Thomas, 12/05/2001</p> <p>1104</p>	<p>Instruction Name: Fabrication Method</p> <p>Content: Countersink angle should be formed using common, off-the-shelf tooling without special coatings or other special attributes. Selection of machinery and brand of tooling is left to the manufacturing vendor.</p> <p>1106</p>	<p>Descriptive Images: Standards Regulations</p> <p>Image Name: [NO IMAGES]</p> <p>Signed By: Robert Smith, 12/03/2001</p> <p>1112</p>	<p>Image Signature</p> <p><input checked="" type="checkbox"/> No Images</p> <p>By checking the box to the left, you are acknowledging that there are NO DESCRIPTIVE IMAGES associated with this instruction.</p> <p>1114</p>
<p>Instruction Signature</p> <p><input type="checkbox"/> UNSIGNED (COMPONENTS NOT SIGNED)</p> <p>By checking the box above, you are acknowledging that the instruction and all of its components are correctly described as they relate to the selected design feature.</p> <p>1108</p>			

Figure 11

FabricQuest Feature Specification - Countersink Angle to Axis	
<div> <div> <div>1200</div> <div>Descriptive Images Standards Regulations </div> </div> <div> <div>1202</div> <div>Standard Title ANSI Standard 0001 XYZ Engineering, Inc. Company Standard 0001</div> </div> <div> <div>Signed By Sally Thomas, 12/05/2001 Sally Thomas, 12/05/2001 [UNSIGN]</div> </div> </div>	
<div> <div>1204</div> <div>Standard Title ISO Standard 0001</div> </div> <div> <div>1206</div> <div>Description Standard describing how to determine coolant and lubricant flow rates for standard metal cutting applications.</div> </div>	<div> <div>1210</div> <div>Publisher International Standards Organization, Geneva Switzerland</div> </div> <div> <div>1208</div> <div>View Full Text</div> </div> <div> <div>1212</div> <div>Standards Signature <input checked="" type="checkbox"/> Accept This Standard By checking the box above, you are acknowledging that the standard cited is required and appropriate for guiding the manufacturer in the course of complying with the associated instruction.</div> </div>
<div> <div>Instruction Name Pre-Fabrication Set-up Fabrication Method Post-Fabrication Inspection</div> <div>Signed By Sally Thomas, 12/02/2001 [UNSIGN] Sally Thomas, 12/05/2001</div> </div>	<div> <div>Instruction Name Fabrication Method</div> <div>Content Countersink angle should be formed using common, off-the-shelf tooling without special coatings or other special attributes. Selection of machinery and brand of tooling is left to the manufacturing vendor.</div> </div>
<div> <div>Instruction Signature <input type="checkbox"/> UNSIGNED (COMPONENT'S NOT SIGNED)</div> <div>By checking the box above, you are acknowledging that the instruction and all of its components are correctly described as they relate to the selected design feature.</div> </div>	

Figure 12

FabriQuest Feature Specification - Countersink Angle to Axis			
Specification Detail	Instructions	Descriptive Images	Limit Definition
Instruction Name Pre-Fabrication Set-up Fabrication Method Post-Fabrication Inspection	Signed By Sally Thomas, 12/02/2001 [UNSIGNED] Sally Thomas, 12/05/2001	1300 1302 1304 1306 1308 1310 1312	
Instruction Name Fabrication Method Content	1300 1302 1304 1306 1308 1310 1312		
There are no regulations that govern any aspect of the selected instruction.			
By checking the box above, you are acknowledging that the instruction and all of its components are correctly described as they relate to the selected design feature.			

Figure 13

1400

FabriQuest Feature Specification - Countersink Angle to Axis

Specification Detail | Instructions | Descriptive Images | Limit Definition

1406

Image Signature

☒ Accept This Image

By checking the box above, you are acknowledging that the image shown properly represents the angular measure specification for the selected design feature in accordance with the quality assurance standards established by the owner of this Design Definition.

1408

1402

1404

Image Name	Signed By
Countersink Side View	Robert Jones, 12/01/2001
Countersink Top View	Robert Jones, 12/03/2001

Figure 14

FabriQuest Inc.		ion - Countersink Angle to Axis	
1500		1504	
1502		1506	
Specification Detail		Descriptive Images	
Limit Definition		Limit Definition	
[Detail] Descriptive Images		[Datum]	
Limit Type		Notes	
Angular Measure, Open Right Conical Feature		[NONE]	
Limits of Measure		1508	
DEGREES		1510	
Lower Limit		1512	
44.75		45.00	
Nominal Value		45.25	
Upper Limit			
Signature		1514	
<input checked="" type="checkbox"/> Accept This Limit Definition		1516	
By checking the box above you are acknowledging that the definition of the specification value limit is correct and that all descriptive images and datums are properly defined and applied with respect to this limit definition.		1518	
By Robert Smith, 12/03/2001			
>>			

Figure 15

1600

FabriQuest Feature Specification - Countersink

Specification Detail | Instructions | Descriptive Images | Limit Definition

Detail | Descriptive Images | Datums

Image Signature

☒ Accept This Descriptive Image

By checking the box above you are acknowledging that the selected image properly represents the limit definition and the intent of the designer to constrain angular variation.

Image Name: Signed By: Sally Thomas, 12/02/2001

Hole Countersink Angle Limits

Figure 16

1700

FabriQuest Feature Specification - Counterism

Specification Detail

Instructions

Descriptive Images

Limit Definition

Detail

Descriptive Images

Datums

1702

Datum Name

Datum A - Upper Plane Surface

Datum U - Hole Centerline

Signed By:

Sally Thomas, 12/05/2001

Robert Smith, 12/01/2001

1704

Datum Name

Datum A - Upper Plane Surface

Description

Physical surface comprised of the upper flat portion of the bracket.

1710

Datum Signature

☒ Accept Selected Datum

By checking the box above you are acknowledging that the selected datum is properly applied to this limit definition.

1706

View Datum Image

Display in 3D Window

1708

1712

Figure 17